

AMENDMENTS TO THE CLAIMS:

The listing of claims below will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion having a table;

a girdle separating said pavilion portion from said crown portion;

a plurality of pavilion main facets extending between said girdle and said culet; ~~and~~

three lower girdle facets between ~~each~~ adjacent ~~pair of said~~ pavilion main facets,

each of said three lower girdle facets each having a top side along said girdle, wherein only
two lower girdle facets have and a common lower vertex extending towards said culet and a
third lower girdle facet has a separate lower vertex extending towards said culet;

a plurality of bezel facets extending between said girdle and said table; and

three upper girdle facets between adjacent bezel facets, said three upper girdle facets
having a common upper vertex extending towards said table, wherein each of said three
upper girdle facets has a bottom side along said girdle.
2. (Currently Amended) The stone of claim 1, wherein said crown ~~has a table, a~~
includes a plurality of star facets encircling said table, and a bezel facet between adjacent
star facets and said girdle, ~~and three upper girdle facets between adjacent bezel facets, said~~
~~upper girdle facets each having a lower side along said girdle and an upper common vertex~~
~~extending toward said table.~~
3. (Currently Amended) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion;

a girdle separating said pavilion portion from said crown portion; and

a plurality of pavilion main facets extending from near said culet toward said girdle;

wherein said pavilion main facets vary in width, and

wherein the stone is a round cut.

4. (Original) The stone of claim 3, wherein said pavilion main facets alternate in a clockwise direction between thick pavilion main facets and thin pavilion main facets.

5. (Original) The stone of claim 4, wherein said thick pavilion main facets are at least about 30 percent thicker than said thin pavilion main facets and wherein said thick pavilion main facets are at most about 60 percent thicker than said thin pavilion main facets.

6. (Currently Amended) The stone of claim 3, further comprising a table on said crown;

wherein:

said table has a plurality of sides; and

~~said plurality~~ the number of pavilion main facets equals the number of sides of said table.

7. (Currently Amended) The stone of claim 3, further comprising:

a table on said crown; and

a plurality of bezel facets on said crown, each of said bezel facets ~~each~~ having an upper vertex at said table and a lower vertex at said girdle;

wherein said pavilion main facets terminate in an upper vertex at said girdle in substantial alignment with said lower vertex of a corresponding bezel facet of said crown.

8. (Original) A cut stone, comprising:
- a pavilion portion having a culet;
 - a crown portion;
 - a girdle separating said pavilion portion from said crown portion;
 - a plurality of pavilion main facets extending between said girdle and said culet; and
 - three lower girdle facets between each adjacent pair of said pavilion main facets;
- wherein at least one of said lower girdle facets is rotated so that said at least one lower girdle facet is not tangent to a circumference about said stone.
9. (Original) The stone of claim 8, wherein a middle of said three lower girdle facets is rotated.

10. (Currently Amended) A cut stone, comprising:

a pavilion portion having a culet;

a crown portion having a table with a predetermined number of sides;

a girdle separating said pavilion portion from said crown portion; and

three lower girdle facets for each side of said table, each of said three lower girdle facets having a top side along said girdle, wherein only two lower girdle facets have a common lower vertex extending towards said culet; and

three upper girdle facets ~~per~~ for each side of said table, each of said three upper girdle facets ~~each~~ having a bottom side along said girdle ~~and an~~, wherein said three upper girdle facets have a common upper vertex extending toward said table.

11. (Canceled)

12. (Currently Amended) A method for cutting a stone, said method comprising:

forming a pavilion portion having a culet;

forming a crown portion having a table with a predetermined number of sides;

forming a girdle separating said pavilion portion and said crown portion; and

forming three lower girdle facets between pairs of pavilion main facets, each of said three lower girdle facets having a top side along said girdle, wherein only two lower girdle facets have a common lower vertex extending towards said culet; and

forming three upper girdle facets ~~per~~ for each side of said table, each of said upper girdle facets each having a bottom side along said girdle ~~and an~~, wherein said three upper girdle facets have a common upper vertex extending toward said table.

13. (Canceled)

14. (Currently Amended) A method for cutting a stone, said method comprising:

forming a crown portion having a table;

forming a pavilion portion having a culet;

forming a girdle separating said crown portion from said pavilion portion;

forming a plurality of bezel facets extending between said girdle and said table;

forming a plurality of pavilion main facets ~~on said pavilion portion~~ extending between
said culet and said girdle; ~~and~~

forming three upper girdle facets between adjacent bezel facets, said three upper
girdle facets having a common upper vertex extending towards said table, wherein each of
said three upper girdle facets has a bottom side along said girdle; and

forming three lower girdle facets between ~~each~~ adjacent pavilion main facets ~~on said~~
~~pavilion portion~~, each of said three lower girdle facets ~~each having an upper~~ has a top side
along said girdle, wherein only two lower girdle facets have ~~and~~ a common lower vertex
extending towards said culet and a third lower girdle facet has a separate lower vertex
extending toward said culet.

15. (Currently Amended) The method of claim 14, further comprising:

forming said table on said crown with a plurality of sides;

forming a star facet extending from each side of said table;

forming bezel facets between said star facets, said bezel facets each extending from a
lower vertex at said girdle to an upper vertex at said table.; ~~and~~

~~forming three upper girdle facets on said crown portion, said upper girdle facets~~
~~extending to a common vertex on an upper portion of said crown and each having a lower~~
~~side along said girdle~~

16. (Currently Amended) A method for cutting a stone, said method comprising:

forming a crown portion;

forming a pavilion portion including a culet;

forming a girdle separating said crown portion from said pavilion portion; and

forming a plurality of pavilion main facets on said pavilion portion, said pavilion main facets varying in thickness,

wherein the stone is a round cut.

17. (Original) The method of claim 16, further comprising forming said pavilion main facets with thicknesses alternating between thick pavilion main facets and thin pavilion main facets.

18. (Original) The method of claim 17, wherein said thick pavilion main facets are at least about 30 percent thicker than said thin pavilion main facets and at most about 60 percent thicker than said thin pavilion main facets.

19. (Original) A method for cutting a stone, said method comprising:

forming a crown portion;

forming a pavilion portion including a culet;

forming a girdle separating said crown portion from said pavilion portion; and

forming a lower girdle facet on said pavilion portion rotated not to be tangent to a general circumference of said stone.

20. (Original) The method of claim 19, further comprising forming multiple lower girdle facets on said pavilion portion rotated to not be tangent to the general circumference of said stone.